AMENDMENTS TO THE CLAIMS

  This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

  1. (currently amended): A network monitor <u>connected to a first dedicated packet-</u>

<u>switched data network</u> for passively monitoring traffic on a <u>the first</u> dedicated packet-switched

data network <u>to filter protocol frames in the first dedicated packet-switched data network in order</u>

<u>to extract information about a network topology and status of a second automatically switched</u>

<u>optical transport network,</u> the first dedicated packet-switched data network connecting network

controllers controlling associated network elements of an <u>the second</u> automatically switched

optical transport network, said network monitor comprising:

  a module to filter protocol frames of a predefined protocol type in the <u>first</u> dedicated

packet-switched data network by which said network controllers advertise a network topology

and status of the <u>second</u> automatically switched optical transport network; and

  a module to extract from the filtered protocol frames transmitted in the <u>first</u> dedicated

packet-switched data network information about the network topology and status of the <u>second</u>

automatically switched optical transport network and display the network topology and status

information of the automatically switched optical transport network graphically to a user.

  2. (currently amended): A network monitor according to claim 1, comprising a sniffer

module configured to capture data from a data network connection in the <u>first</u> dedicated packet-

switched data network, or read data from a previously captured file and to pass said data to an

evaluation module programmed to extract said topology and status information of the <u>second</u>

automatically switched optical transport network from the data and to display the network

topology and status information of the <u>second</u> automatically switched optical transport network

graphically on a display.

3. (original): A network monitor according to claim 1, wherein said frames of a

predefined protocol type are OSPF frames comprising information about routing controllers,

border nodes of domains and links to and from the border nodes.

4. (previously presented): A network monitor according to claim 1, wherein said

network monitor is further configured to represent domains as indicated by their corresponding

routing controllers as smaller circles along a circle line of a larger circle.

5. (previously presented): A network monitor according to claim 1, wherein said

network monitor is further configured to represent links with idle capacity in a first color and

busy links in a second color.

6. (currently amended): A network monitor according to claim 1, further comprising a

command line interface connected to one of the network controllers to program said connected

network controller to broadcast a request for an immediate update of topology and status

information and/or to program said connected network controller to set up a new connection

and/or perform other configuration changes in the <u>second</u> automatically switched optical

transport network.

7. (previously presented): A network monitor according to claim 1, wherein said network monitor is further configured to detect a mismatch between any two filtered protocol frames and display these frames as ASCII text to a user.

8. (currently amended): A method of passively monitoring traffic on a <u>first</u> dedicated packet-switched data network <u>to filter protocol frames in the first dedicated packet-switched data network in order to extract information about a network topology and status of a second automatically switched optical transport network, the first dedicated packet-switched data network</u> connecting network controllers controlling associated network elements of <s>an</s> <u>the second</u> automatically switched optical transport network; said method comprising the steps of:

filtering protocol frames of a predefined protocol type in the <u>first</u> dedicated packet-switched data network by which said network controllers advertise a network topology and status of the <u>second</u> automatically switched optical transport network;

extracting from the filtered protocol frames transmitted in the <u>first</u> dedicated packet-switched data network information about the network topology and status of the <u>second</u> automatically switched optical transport network and

displaying the network topology and status information of the <u>second</u> automatically switched optical transport network graphically to a user.